

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Bill Hillendahl <bhillen@floyd.santarosa.edu>
Subject: 2 mtr AM Freq
Message-ID: <199510161908.MAA16988@floyd.santarosa.edu>

We are looking for a "common" 2 mtr AM freq, too!

According to the April 1995 issue of Electric Radio, their suggested national AM calling freq would be 147.51. The Editor's comments on the subject are as follows:

"It has been suggested to me by a number of vintage/AM'ers/collectors that I mention 147.51 as a possible national 2 meter simplex frequency for our group. On the west coast this frequency has been in use by AM'ers at hamfests for some time. Maybe at Dayton this year those of you who carry 2 meter gear can coordinate on this frequency."

Other suggestions have been 144.4, HOWEVER, this is in the middle of the OSCAR frequencies as listed in the bandplan. Not a good idea to tick off the satellite group. 147.51 is in the bandplan as a simplex frequency. That is what we (our Sonoma County California group) seem to be leaning toward.

Comments, questions, complaints?

Bill H.
KH6GJV

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: 2 mtr AM Freq
Message-ID: <m0t5DKU-000TswC@spider.lloyd.com>

At 02:09 PM 10/16/95 -0500, Bill Hillendahl wrote:
>We are looking for a "common" 2 mtr AM freq, too!

>

>"It has been suggested to me by a number of vintage/AM'ers/collectors that I
>mention 147.51 as a possible national 2 meter simplex frequency for our
>group. On the west coast this frequency has been in use by AM'ers at
>hamfests for some time. Maybe at Dayton this year those of you who carry 2
>meter gear can coordinate on this frequency."

I think we've mixed apples and oranges here so let me clear some potential for great confusion.

The 147.51, as reported in ER, is indeed the simplex frequency used out here at left coast swaps, but (and this is key) it is an FM simplex frequency, not an AM calling frequency.

Hope this helps....

Jim - km6nk

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: KS0F@aol.com
Subject: Re: 2 mtr AM Freq
Message-ID: <951017145043_46874905@mail02.mail.aol.com>

144.400 did use to be the AM calling freq I believe. The segment is listed as 144.3 to 144.5 as NEW OSCAR subband PLUS simplex. Here near St. Louis there is a lot of activity in this area. The ATV boys use 144.380 for their voice channel if they aren't using sub carrier and there is a bunch on 144.440 on sstv. 144.250 to 144.3 is the beacon window for weak signal and below that is the weak signal area SSB/CW etc Terrestrial and EME. I am not sure that the "New oscar subband" is in use now and if it is the band plan I see shows it sharing the range with "simplex" not FM simplex. I would conclude from this that 144.400 is still intact even though it is not specifically listed and that AM in this window would be OK. The trend to exclude AM from these plans may require some noise to reverse. Going AM in the 147 range is going to trip a lot of scanners and attract a lot of breakers with info that your audio is way way down OM. 144.400, 144.350 AM anyone???

73 de KS0F

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Steve Linscott <linscot@rice.edu>
Subject: 6689 tube
Message-ID: <199510161651.LAA15045@is.rice.edu>

Thanks to all who supplied info. I'll figure out something to do with them. Maybe they'll work in a Hartley circuit!

- Steve -

* Steve Linscott Divisional Consultant Natural Sciences *
* Rice University 6100 South Main Street Houston, Texas 77005-1892 *
* Phone: (713)527-4985 FAX: (713)527-6099 Email: linscot@rice.edu *

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: John Shriver <jas@shiva.com>
Subject: Re: 6C4 and 6V6 boobs
Message-ID: <199510161551.LAA13933@shiva-dev.shiva.com>

The Sovtek 6V6's are a Russian type of lower ratings than a 6V6. It is a Russian:

--
6||6C

which has lower plate voltage rating, etc. May or may not survive, depending on your application.

There is no audiophile gear that uses 6V6's, but a moderate number of guitar amps. They run the tubes so hard that the Sovtek's fry really fast, and they are munching their way through all the remaining NOS 6V6's. 6V6 supply is indeed tight, lots of pickers out there looking for them.

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: jmartin@hrlban1.aircrew.asu.edu
Subject: 717A data
Message-ID: <SA39+EccUka@hrlban1.alhra.af.mil>

Some questions recently were raised about the W.E. 717A. Here is some information on this type, taken from the book '75 Years of Western Electric Tube Manufacturing.'

Introduced in 1943. Pentode, developed from pre-war 386A for low power applications at AF, HF and UHF frequencies. Used in BC-733D localizer receiver, SCR-717 altimeter, AN/APQ-7 and -13 radars, and W.E. R-28/ARC-5 receivers. As a radar IF amp at 30 or 60 MHz it was preferable to the older 6AC7 but less desirable than the later 6AK5 which was smaller & cheaper. The 717A actually was made for Western Electric by Tung-Sol, and tubes carried names of both companies. A few Scott home receivers made right after the war used the 717A. Filament voltage = 6.3; filament current = 175ma; plate potential = 180v; μ = 2540; G_m = 4100 micromhos. Similar tubes were Raytheon 717A, W.E. 713A, Army VT-269, British CV3594, STC 4713A and 4717A.

jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995

From: w0ogh@ix.netcom.com (Larry Godek)
Subject: ARC-2 for sale
Message-ID: <199510171608.JAA08994@ix9.ix.netcom.com>

I have an ARC-2 and ARC-2A for sale. They both have the mounting racks which I liberated this past week from an old helicopter in Tucson. Price is \$180 plus shipping ea. They are both dusty. One is missing the front panel meter but I am trying to locate a replacement.

Larry

W00GH@ix.netcom.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: "Joseph J. Curry" <71407.1774@compuserve.com>
Subject: BA Items Wanted
Message-ID: <951016181549_71407.1774_FHV39-1@CompuServe.COM>

Fellow Heavy Metal Radio Afficianados:

I am looking for the following items:

- 1 pair - 8236 tubes for Hallicrafters SR-500
- 1 - B&W 852 pi-net tank coil (1KW, low plate Z)
- 2 - PJ068 3/16" phone plug for PTT on Collins/Drake
(shielded if possible)
- 1 - Hallicrafters HT33A/B clean, w/ or w/o final tube
need not be working, but repairable

Hopefully, someone out there has these items hidden away. Dig through your closet full of goodies and reply via e-mail to:

Joe Curry, KE6LFT (ex-K3IC0)
71407.1774@compuserve.com

Tnx es 73,

Joe

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995

From: MODSTEPH@ACS.EKU.EDU
Subject: Re: BA Radio Clubs?
Message-ID: <01HWII0GSV4Y0006SY@ACS.EKU.EDU>

Well, not exactly a club, - more like a fraternity...

There is a group of "regulars" who participate in the bi-annual (that's twice-yearly) "Classic Radio Exchange," the "contest" which was set up to encourage folks to restore and operate the great old rigs. It is not a high-powered contest in the manner of SS or Field Day, but is a lot of fun to hear some interesting sounds that have been long absent from the hambands (I seem to be working on "WAS - 00" in this contest - this year it was the Apache with apparently shot filters getting the T-5 reports).

Anyway, we have people who participate in this - and have over the last 20 years - who are all BA enthusiasts, and are found coast to coast. We do have a newsletter which comes out twice a year (just before the next contest). and if you would like to be included in the next mailing, send SASE (for two ounces, please) to me:

Allan Stephens, N5AIT
106 Bobolink Drive
Richmond, Kentucky 40475

since I do the next newsletter. Next contest is either the last Sunday in January, or the first Sunday in February if the first date happens to coincide with Super Bowl.

We list the contest in QST, Electric Radio, sometimes CQ... and for those of you who get ER, Jim Hanlon W8KGI, who writes occasional articles for that mag, is one of our regulars.

I will announce the next contest closer to that time - but again, if you want the newsletter, get that SASE to me - should be back early January. And get in the contest - usually about a 9-hour operating event on a Sunday afternoon / evening.

CU in CX!!

73, A1 N5AIT

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: Baldwin Headphones

Message-ID: <199510170039.RAA05038@hobbes.UCSC.EDU>

>has big rubber cups & wires accross to the other side.
>it says:
>manufactured and sold by
>baldwin radio co.
>salt lake ciy, utah
>under nathaniel balswin's pat. may 10, 1910 / sept. 14, 1915
>type 'c'

I wonder - a while back I skimmed through the out-of-print book "History of Communications-Electronics in the U.S. Navy" - and there was a story in there about how the Navy in early days were all the time getting things in the mail from inventors around the country. One of the things they got was a pair of headphones from someone in Utah, and they seemed to be rather crudely made but performed better than anything else they had ever seen. So they tried to order a bunch of them, and the guy would take orders for only a few at a time. Eventually they found out he was making them at home on the kitchen table, and they wanted more than he could make that way, so they helped him set up a factory. Wonder if that was Baldwin - I don't remember.

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Nick England <nick@cs.unc.edu>
Subject: boatanchor adventures
Message-ID: <199510161758.NAA11188@altair.cs.unc.edu>

I had a good day Sunday sitting on the floor of the shack sorting through a whole bunch of parts I recently acquired. I kept the NC-303/Ranger II combo on 3885 and heard the following interesting things.

Heard a guy who has re-created his 1928 station and was transmitting on a pair of 210's I think. Sorry - don't remember details.

Worked Glenn N4HHH who tried out his HT-37, HT-40, and T-150 in turn.

Heard Haney N02N trying out his new 32V-3 which he got for \$50 plus an FT-101. It really sounded great - has inspired me to get my 32V-1 going.

Worked Carol AH6Q/MM who was on a 600 ft tanker off the SC/NC coast. She was using a TS-50 and having a really great time working AM. Kept asking everyone she talked to if they had a DX-100 or similar rig they wanted to sell. Around 7 pm I heard her working a NJ station and making a deal to buy his DX-100, mike, and Dow-Key relay when she docks in NJ

tonight. Sounds like she's gonna fire it up right there on ship so listen for her along the east coast - don't know where she is headed to next. She evidently had a DX-100 some years ago and is all fired up to get back on the air with a boatanchor rig. First boatanchor-loving MM station I've worked, Neat.

and of course the usual 3885 East Coast Nut Cases [tm] were in attendance - some of those guys have been standing a little too close to the 866A's.

Nick KD4CPL

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: Andy Wallace <wallace@mc.com>
Subject: Re: boatanchor adventures
Message-ID: <9510170537.AA00513@kali>

----- Begin Included Message -----

>From: Nick England <nick@cs.unc.edu>
>Subject: boatanchor adventures

>I had a good day Sunday sitting on the floor of the shack...

Free floor space!? Wow. Can I have a picture?

>Heard Haney N02N trying out his new 32V-3 which he got for
>\$50 plus an FT-101. It really sounded great - has inspired me to
>get my 32V-1 going.

Yeeek! What a deal. Did he help a CBer upgrade to SSB or what? \$50 plus a Yaesu?!

>and of course the usual 3885 East Coast Nut Cases [tm] were in attendance
>- some of those guys have been standing a little too close to the 866A's.

No, they just carry 390A meters in their pockets! But the conversations a lot more civil/interesting than 3.910 certainly.

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: SP600@aol.com

Subject: coil winders

Message-ID: <951016205546_46288311@mail06.mail.aol.com>

I'm looking for one of those hand crank coil winding machines. I would appreciate any help in finding one.

Many thanks N9SOR

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995

From: Duncan Cadd <dcadd@luc.ac.be>

Subject: decremeters

Message-ID: <9510170810.AA23741@alpha.luc.ac.be>

Greetings, Sparkies, from a bright and sunny Diepenbeek in N.E. Belgium!

According to H.W. Secor's 'The How and Why of Radio Apparatus', Circular no. 74 "Radio Instruments and Measurements" issued by the United States Bureau of Standards, contains a chart which when affixed to any wave meter having semi-circular plates converts it to a direct-reading decremeter, said article also gives all information necessary to its use.

Roy Morgan, are you there ?! Any old copies collecting dust on those shelves ? Don't suppose you've sold out since 1922 8-)

73,

Duncan ON9CHU / G0UTY G-QRP 8117

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995

From: Paul_Bocci-CPB007@email.mot.com

Subject: DX35 Manual

Message-ID: <"Macintosh */PRMD=MOT/ADMD=MOT/C=US/"@MHS>

Hi Folks,

A nice clean DX35 came home with me from the Greyslake hamfest a few weeks ago. While I have managed to get it going with reference to a DX40 manual, I'd like to get at least a proper schematic for it. Does anybody out there have one? A copy is entirely adequate. I will of course cover any expenses!

73

Paul, K9NO

CPB007@email.mot.com

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: Philip Gwynne McCoy <dgnova@eng.umd.edu>
Subject: EDDystone
Message-ID: <199510171746.NAA04962@espresso.eng.umd.edu>

From: Philip McCoy
I will send the schematics for the Eddystone 888 and 840.
Wait until you receive them, then send the \$1.00

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Re: Emergency repairs
Message-ID: <9510171520.AA00300@syseng1.se.melpar.esys.com>

>EXAMPLE: need a grid resistor? take a 1 foot long length of rubber hose
> 2 corks with a wire pushed through each as stoppers and fill with
> seawater or tablesalt water to suit. (ref: Nilson and Hornung,
> Practical Radio about 1943). This was/maybe still is in the
> commercial radiotelegraph license exams.

Standard Navy practice for replacing a shot-up section of radar waveguide (i.e., battle damaged) was to saw off the guide on either side of the damaged portion, soak a 2 x 4 in salt water, and insert a section of the soaked wood into the guide. Size could be trimmed as required (for example, S-band guide is a little smaller than a 2 x 4).

Attenuation would be high and it might be necessary to run the radar on low power and short pulsewidth, and the VSWR probably wouldn't do the maggie any good, but it would suffice in the short term. 'Course, you need to turn off the radar every so often and soak the wood down again.

Use whatever works.....

73,

Paul, K4MSG

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: rdkeys@unity.ncsu.edu

Subject: Re: First International Boatanchorite Hartley Oscillator Ral
Message-ID: <199510171457.KAA10041@cc05du.unity.ncsu.edu>

> Bob,
>
> You said:
>
> > 10. RFC Plate choke - use anything in the range of about 1-2.5 or so
> > millihenries. In the old days that was 250 turns on a 1 inch dowel
> > rod form about 3 inches long scramblewound. A little 2.5mh
> > receiving rf choke works fine.
>
> Ah! Bless you! I have been searching for 2.5mh chokes for two years and
> have yet to find any.
> Should I treat the dowel or leave it "dry"? Will stain or varnish affect
> the choke's characteristics enough to worry?

ON BA COILS, ETC.....

Basically, at 160/80 meters, a dry or varnished or painted or whatever rod will work. In the 20's a wooden bobbin something like a sewing machine spool was used. In the 30's, storebought parts or just a plain dowel rod or just a plain 1-2.5 inch bakelite tube with 250-350 turns was used.

The bottom line is that for most low power rigs (under 50 watts) and for most uses below 4 mhz, it really does not matter much.

Paraffin should work, shellac should work, varnish should work.
My guess is paste wax should also work, since there is nothing there that is highly reactive until maybe microwave frequencies.

> "Scramblewound": first acquaintance with that.

Basically the ham tightwads way of saying ``just get the turns on the rod''. It can be wound in a single or multiple layer solenoid, or pies, but all that really is needed at those frequencies is ``just wind it on''. In this application, neatness does not necessarily count.

Solenoid and pie wound are better at higher frequencies or vlf. At low rf, such as 160/80 meters, it don't really matter much.

In the early days, a hand drill was usually used to wind the rf chokes. Nothing wrong with a lowspeed modern motordriven beastie equivalent.

> BTW, I've been saving aquarium fish food containers of various sizes for
> "plug-in" coil forms.

Remember at low RF frequencies and power, it makes almost no practical difference what is used for a core (as long as it is non-metallic).

Also, I tend to prefer that wondrous black carbon dust colored pvc pipe from the hardware store, for a very nice equivalent of bakelite tubing. Works fine in my hands.

There are commercially available sizes of clear acrylic plastic that fit exactly on an octal socket or over a 4/5/6/etc pin base from a dud tube. I don't remember the size right off but the wall thickness was 1/8 inch. A touch of superglue and a fine regen/hartley/etc coil form you have.

For BIGGIE transmitters, mount a 2-3 inch diameter piece of the black pvc stuff on either pillars of plastic/beehive-isulators/steatite standoffs, etc, or superglue to a 5 inch square piece of 1/4 inch black acrylic for use as a plug board. Mount banana plugs in the corners and a like piece is used for a plugin base but with banana jacks. Alternatively, big 1/4 inch brass bolts work well there.

For tiestrips for power/antenna, etc., take 1/8 or 1/4 inch thick black acrylic maybe 1 to 1-1/2 inch wide and as long as necessary for the strip. Mount on whatever standoffs are appropriate.

For regen antenna couplers take to small pieces of 1/2-inch angle aluminum and space about 1/32 inch apart on a piece of black acrylic sheet.

For regen or hartley tuning capacitor mounts, take a base of 1/4 inch black acrylic about 4 inches square, a 4 inch x however high vertical piece, and a couple of 1 inch x however high stiffeners on the sides and superglue the whole together. Makes a nice stable insulating capacitor standoff mount that can be placed anywhere on a breadboard.

and on, and on, and on.....

Basically, consider what the function needs to be, then design around it.

EXAMPLE: need a grid resistor? take a 1 foot long length of rubber hose 2 corks with a wire pushed through each as stoppers and fill with seawater or tablesalt water to suit. (ref: Nilson and Hornung, Practical Radio about 1943). This was/maybe still is in the commercial radiotelegraph license exams.

So, the bottom line is, almost anything will work, as long as you consider electrically or electronically what its basic form has to be and what it basically does..... how it gets there is mostly irrelevant at low RF frequencies and powers.

Need old fashioned dial labels? I have some in the BA archives for just about every sort of old rig labelling from about 1940 back to the spark days. It will print on laserlabels on a laserjet or postscript printer. If anyone is interested, email me and I will run off a condensed set for the Hartley Oscillator Rallye.

> 73 ES TU/TIA DE KC4EWT
> Johnson_Dan@aac.com

73/Bob/NA4G

p.s. Let's hear your rig on the air when it is ready! Yeah!

ZUT DE NA4G/Bob

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Paul.Thekan@pgtp.varian.com (Paul Thekan)
Subject: FREEBE MODEL 28s'
Message-ID: <9510161903.AA00141@pgtp.varian.com>

Greetings BAs'

I have at my disposal , for disposal , a herd of Model 28 TTYs. Have KSRs and a ASR or two. Would like to find homes for these before they end up as breakwater. They are for local pick up only in the San Francisco Bay Area or I can help deliver if its not to far away , say within 30 miles.Let me know before its too late and they're reincarnated as bumpers on Toyotas.....what a awful thought.

Paul N6FEG

Paul Thekan - Speaking for Himself
Paul.Thekan@pgtp.varian.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Andy Wallace <wallace@mc.com>
Subject: FRR-59A
Message-ID: <9510170512.AA00489@kali>

----- Begin Included Message -----

From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>
Subject: Re: Help ID

My first guess is that you have an FRR-59 receiver.

>From memory, here are some things to check --

It has 60+ tubes
It weighs around 300 lbs
It has a two mechanical digital readouts

----- End Included Message -----

Definitely sounds like something you don't want to drop on
your foot -- and I'd be darned sure the slide stops work on the thing!

Isn't this the same (appearance) set as the WRR-2? And didn't
National make both?

What is the reason for 60+ tubes? Is there a PLL inside?

--Andy
wallace@mc.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: dmedley@indirect.com (David Medley)
Subject: FS More Boxed Tubes
Message-ID: <199510162015.NAA18181@ns2.indirect.com>

Here is another lot of boxed tubes. Most of these appear new and unused but
a lot of the boxes have deteriorated over the years. Most of these are pre
WW-2. Here is the list:

1A6,1C6,1F4,1F5G,1G5G,2A3(3),32(2),33(23),34(8),41(4),4S(3),55,56(5),57(5),5
8(3),5U4GB,6A3(2),6A6(3),6A7,6B8G(3),6C8G(5),6D6,6D7,6F8G(3),6HF5(2),6L6G(2)
,6P5,6Y6G(4),75,76(6),77(3),78(9),807(3)

There is also an HY-61 which looks like an 807 with a ceramic base.

This totals 100+ tubes. I will ship this for \$150.00 OBO.

Responses to dmedley@indirect.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Steve Ellington <n41q@iglou.com>
Subject: Re: FS: Hammarlund SP-600JX14
Message-ID: <Pine.SOL.3.91.951016131556.29133A-100000@iglou2>

5 minutes after hitting the enter key to post this FS, I had a buyer.

<SOLD>
73

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: spindob@water.ci.seattle.wa.us
Subject: Gonset Communicator III Question
Message-ID: <199510162114.AA11841@relay.interserv.com>

Fellow Boatanchorites:

I have the opportunity to purchase one of two Gonset Communicator III's with manual and mic for \$75 for 6 mtr AM. One of the rigs uses a meter the other uses a tuning eye. Assuming they are both equal electrically and cosmetically, which of the two rigs should I purchase? Which of the rigs will have greater value as a collectors item?

Thanks & 73's
Brian KA7KUZ
spindob@water.ci.seattle.wa.us

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: David Moody <MOODY@Admin.Rose-Hulman.Edu>
Subject: Re: Gonset Communicator III Question
Message-ID: <01HWJEZWTSDG8Y4WQ6@ADMIN.Rose-Hulman.EDU>

>Fellow Boatanchorites:

>I have the opportunity to purchase one of two Gonset Communicator III's
>with
>manual and mic for \$75 for 6 mtr AM. One of the rigs uses a meter the
>other
>uses a tuning eye. Assuming they are both equal electrically and
>cosmetically, which of the two rigs should I purchase? Which of the rigs
>will
>have greater value as a collectors item?

Now I know that the II-B has a tuning eye because I have one of these.
But didn't the III have just a tuning meter?
Also, if I remember right, the TR switching for the II-B was all done in the switch itself, whereas the III had a relay that was switched by the front panel switch. Also, I think there were other various electrical

changes between the two models. In my opinion, both are very good rigs for 6m AM. If they are in good cosmetic and electrical shape, the price doesn't seem too out of line with what I have seen some sold for. Now me, I would have a very hard time deciding which one to buy and would probably try to find some way to buy both, but that is me. Good luck with your purchase.

73, David Moody, KD8NY

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David A. Moody          | E-mail: David.Moody@Rose-Hulman.edu  
Admin. Programmer/Analyst | Finger: mgrdam@crux.Rose-Hulman.edu  
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD  
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))  
Wk Ph: 812.877.8183      |  
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Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: Albert S Woodhull <aswNS@hamp.hampshire.edu>
Subject: Re: Gonset Communicator III Question
Message-ID: <Pine.3.89.9510170934.C4169-01000000@hamp>

On Tue, 17 Oct 1995 spindob@water.ci.seattle.wa.us wrote:

> I have the opportunity to purchase one of two Gonset Communicator III's with
> manual and mic for \$75 for 6 mtr AM. One of the rigs uses a meter the other
> uses a tuning eye. Assuming they are both equal electrically and
> cosmetically, which of the two rigs should I purchase? Which of the rigs will
> have greater value as a collectors item?

It's been a long while, but I *think* that you are talking about two
different models, the one with the tuning eye is the older one, and if
the one with the meter is a Communicator III the other must be a
Communicator II.

I would probably choose the one with the eye. I always loved those
winking green eyes, it's certainly more fun and bound to be more of a
collector's item. On the other hand, if you want to use it on the air and
have some fun that way, all other things being equal the newer one has a
higher probability of working and might perform better if both were
restored to mint condition. I don't think there were any really great
differences in the circuitry between the various models, however, with the
one exception of the meter vs eye tube circuitry.

73, Al N1AW

--

Al Woodhull
awoodhull@hamp.hampshire.edu
n1aw@k1mea.#wma.ma.usa.na
n1aw@ka1jy.ampr.org

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Duncan Cadd <dcadd@luc.ac.be>
Subject: Re: Hartley Roundup
Message-ID: <9510161549.AA25356@alpha.luc.ac.be>

Greetings, Tom & Stan et al!

> Amateurs can always get more.. hi de stan ak0b

I recall my own first hbrew cw TX with 6L6 PA giving 50W out on 80m from a psu transformer only rated 37.5W. It didn't half get hot quick . . . still got that back in the UK, going to rebuild it over the Christmas holiday for plate modulated crystal-controlled AM 8-) (but only 10-15W this time!!) (S.P.E.C. - Society for the Protection of Elderly Components <tm>)

73, Duncan ON9CHU / G0UTY G-QRP 8117

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>
Subject: Re: Help ID
Message-ID: <43171C56573@sbii.sb2.pdx.edu>

My first guess is that you have an FRR-59 receiver.

>From memory, here are some things to check --

It has 60+ tubes
It weighs around 300 lbs
It has a two mechanical digital readouts
There is a tuning meter as well as a S/Rf meter
There is a small door on the front which hides the running time meter for the frequency standard
There is a large fan in the upper left corner behind a screen
When you pull either unit out of its drawer a large cable umbillicus

unwinds from a spring-loaded cord reel.

How's that for starters?

=Randy=
Randy Zelick
Dept. Biology
Portland State University
P.O. Box 751
Portland, OR 97207
503-725-3086 (voice), 503-725-3864 (fax)

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: Help ID
Message-ID: <9510162032.AA00561@bock>

Is this FRR-59 the two-section rx shown in Moore under National Military gear, called "a replacement for the R390A?" It is said to have a freq synthesizer (probably takes up one of the over/under boxes). An all-firebottle digital freq synth would indeed use up 2/3 of the tube count a weight Randy cited.

Actually, when I was at MIT in '67 the 6-meter position had a monstrous RBA or RBL rx, plus a TX taht was VF0ed by a big heavy digital freq synth that from the looks of it used all glowfests. All this gear was mil surplus. TX was plate-modulated AM -- the slop bucket brigade hadn't invaded 6m in force yet.

What does anyone know of firebottle synthesizers? 73, mike k w9nrd

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: KC5IJD@aol.com
Subject: Re: Help ID
Message-ID: <951017081243_74800870@emout04.mail.aol.com>

>What does anyone know of firebottle synthesizers? 73, mike k w9nrd

Yes,

The WRR-2 (made by National) used a firebottle synthesizer (and more tubes than you can shake a stick at, as they saying goes).

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@aol.com

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: Grant Youngman <gyoungma@gtetel.com>
Subject: Re: Help ID
Message-ID: <Chameleon.951017080651.grant@nq5t.gtetel.com>

On Tue, 17 Oct 1995 07:14:49 -0500 (CDT) KC5IJD@aol.com wrote:
>>What does anyone know of firebottle synthesizers? 73, mike k w9nrd
>

While not firebottle (but definitely in the BIG boatanchor category), the TMC built AN-URR/64(v) uses a synthesizer to phase lock two HF receivers together in a dual diversity configuration. Decade selection of frequency in the under 33 MHz range with 100Hz resolution. Each of the two RF decks can be continuously tuned as well. This is an early transistorized unit -- mostly germanium types. All 900 lbs of its 7 foot rack.

Too bad its languishing in my garage unused -- but this is not the kind of box you casually carry to a second floor study/hamshack :-). One of these days maybe I'll get a smaller rack and try to put the synthesizer, one of the RF shelves and one of the IF/audio shelves in something that will fit in the station

Grant/NQ5T

Grant Youngman
gyoungma@gtetel.com

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>
Subject: Re: Help ID/FRR-59
Message-ID: <44E1FB00F76@sbii.sb2.pdx.edu>

Just to finish off (yea right!) this thread...

I have owned two of these units, regretted selling the second one, and will buy the next one I come across for any reasonable amount.

The FRR-59 and WRR-2 are essentially the same, 'cept for some mechanical differences. They are shipboard stable SSB receivers, but do token AM and CW as well.

The sets are really wonderful, but difficult to keep running because:

1. They are very complex with a tube PLL design. 60 tubes means that many circuits, any of which can fail.
2. They have a tendency to overheat being in a sealed cabinet. The fan in the top section (I.F. & A.F.) sucks air through from the bottom section via a gasketed round hole/collar between the top and bottom sections. The thermostat running the fan, or the fan itself invariably fails and the radio cooks.

But there is good news too:

1. the sets are incredibly stable with a frequency standard like the R1051's. Thus you can do pseudo-synchronous AM detection on broadcast stations.
2. The audio quality is superb for SSB, and really good for AM too, except that the AM bandwidth is, if I recall correctly, 12 kHz. So not great for swbc DXing. The SSB bandwidth is a little broad too, I think around 3 kHz. The filtering is done in sealed LC units at something like 80 kHz (a la Drake). If one of the filters goes gunnybags, gooooooood luck. Of course there are none of the goodies found on ham SSB receivers like passband tuning and notch filtering. Finally, in CW mode they just use the SSB filter. No option for adding other filters.
3. The tuning ratio is very slow, i.e., it takes a long time to crank from one end of a band to the other. This makes it great for tuning in SSB signals, laborious for band cruising.
4. The mechanical counter is good to 100 Hz. The set is graced with a very high quality mechanical frequency drive train, yet there was no attempt to remove backlash from the tuning mechanism. This is because with the slow tuning rate, the 10 degrees of backlash only correspond to a few hundred Hz of slop. Still, if they had put anti-backlash gears in the set, it would probably have the best tuning feel of any SSB receiver.
5. The manual is really excellent, but it looks like the Manhattan yellow pages. It has lots of pull-out diagrams. A set with a manual is worth considerably more than one without.

6. Speaking of value, these guys are all over the place. These are not universally prized like R390s, but to many they are worth quite a bit. Thus they show up for sale from the \$150.00-and-please-haul-it-away category to the \$600.00-and-don't-even-think-of-negotiating category.

Other quirks:

1. Probably to cut down on heat generation, they allow either the SSB or AM I.F./audio chains to be powered at once, but not both. Thus when you switch between AM and SSB you have to wait for the filaments to come up in the chain which was not previously selected! Since the chains use different audio sections, you must have two speakers or use a switching arrangement.
2. I seem to recall some weirdness with the AGC, but can't remember this now.
3. One of the sets I resurrected had been abused by the Navy: a cap went south in one of the RF decks. The tech tried to align the affected stages to bring it back into resonance, and ended up with a small amount of performance with the brass coil screws all the way out of the forms. Obviously wrong, but hey, good enough for now, right? Well these screws project downward, and when fully unscrewed hang below the bottom lip of the cabinet. The tech then pushed the RF deck back, all 150 lbs of it obligingly slid rearward on greased rails into the cabinet and promptly sheared off or bent six of the tuning screws. Nice job.

So the FRR-59 is definately something to keep an eye out for. If you find one and want more info, I'll try to recall additional details.

Cheers,

=Randy=
Randy Zelick
Dept. Biology
Portland State University
P.O. Box 751
Portland, OR 97207
503-725-3086 (voice), 503-725-3864 (fax)

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Randy.Cook@Corp.Sun.COM (Randy Cook)
Subject: HP Test Eq for sale
Message-ID: <9510161730.AA03410@mmmkt.Corp.Sun.COM>

Have following for sale. Offers considered. Will ship in USA

HP351B Sig generator w/manual - to 10Mhz, 50 and 600 ohm outputs, excellent condition. \$120

HP400E AC voltmeter w/manual - 700v RMS to 10Mhz, recently calibrated by local lab \$60

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: BRICKEY_PETER@Tandem.COM
Subject: Japanese WW2 HRO
Message-ID: <199510170858.AA9529@gateway.cpd.tandem.com>

Hi;

My quest for Eddystone info was so successfull that I though I would see if anybody had any info on this set.

Recently I picked up a Japanese radio that was brought back from the Pacific theater after WW2. It is a copy of the National HRO with the exception that it does not have the PW dial. It is missing the 2 ID plates and most of the labels (metal plates) for the controls are in rough shape from the salt air.

This set was written up on pages 38/39 in the May 1994 AWA Old Timers Bulletin.

What I need is someone with a similar set who would be able to photograph the front panel so that I may have new tags made up.

Any informatiioon appreciated.

73's Peter KD6KDR

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: David Adams <dave@flowserver.stem.com>
Subject: Last few tubes needed
Message-ID: <9510172059.AA03001@flowserver.stem.com>

Greetings! I have almost all I need but if someone can supply me with:

1 5Z3
1 1853 (or equiv)

and 1 each 954 and 956 acorn

I'd be eternally grateful.

73 de dave, n9uxu

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Last hand-cranked telephone system: Update
Message-ID: <9510161645.AA08941@syseng1.se.melpar.esys.com>

Thanks to all who replied, and several of you hit the location (New England) right on the money. While I can't confirm the name of the town (shoulda written it down), the last hand-cranked telephone system in the U.S., which had some 200-odd subscribers, was located in a small town in Maine and was taken out of service in *1983* - well, actually, I guess it was just replaced with more modern equipment.

But I'm still using a 1922 WE candlestick with outboard oak bell box & bell set in my kitchen.....

73,

Paul, K4MSG

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: "Chuck MacKinnon" <C.Mackinnon@zds.com>
Subject: Manual for GenRad 805-C
Message-ID: <9509178139.AA813948860@ccmail.mi04.zds.com>

Hi Gang,

For some time now I've had a General Radio Model 805-C Standard RF Signal Generator. She's a big, heavy BA (at least 50#s), accurate, built like a tank, nine octal tubes and good to 50MHz. I've been looking for a manual but so far no luck. Anyone have one, (a copy would be fine), or know where I might be able to find/buy one. I will happily cover any and all copying costs. Thanks in advance.

73, de Mac KA9STQ

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: Andy Wallace <wallace@mc.com>
Subject: my National can beat up your Collins :-) &NC-98SW wanted
Message-ID: <9510170639.AA00560@kali>

----- Begin Included Message -----

From: Lrware@aol.com
Subject: TCS-9 remote has found a new home

Must be a lot of crazy Collins collectors on the boatanchors list...
I'm a National man myself: More refined, you know... :-)

----- End Included Message -----

Refined? As in sugar? Hmm. :-)

They both have their good points but National certainly had more models to choose from. I do think that National perfected the art of rounded corners and silver hammertone, and of course I think the National S-meter (red and yellow) was one of the prettiest around.

Speaking of which, anyone got an NC-98SW to sell me? This is the version of the NC-98 which had bandspread for the SWBC bands on the right dial.

--Andy
wallace@mc.com

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: Randy Cole <rcole@osage.csc.ti.com>
Subject: N7BG's List of Keys/Bugs for Sale/Trade
Message-ID: <199510172107.QAA08290@osage.csc.ti.com>

Here is another list of keys that Tony Rogozinski, N7BG, has for sale or trade. Please contact Tony directly about them.

73,
Randy Cole
KN6W

1. Lionel J36 w/nameplate	vg	\$125
2. Lionel J36 w/o nameplate	g	75
3. Bunnell J36	g	150
4. Deluxe Lightning Bug (hve 3)	mint	150
5. Deluxe Original	mint	100
6. Std. Vibrokeyer Beige	vg	75
7. Deluxe Original	g	50

8. Lightning Bug Grey	mint	100
9. TAC Hole-In-Wall Std. (hv 2)	fair	50
10. Brown Bros. UTL	mint	100
11. Std. Vibrokeyer Beige	fair	50
12. Deluxe Lightning Bug	vg	100
13. JJ38 Japanese Clone J38	vg	25
14. Electro-Voice leg keys	nib	35
15. WWII Deluxe Original	vg	trade
16. Les Logan Model 500	vg	"
17. Standard Original #71802	vg	"
18. McElroy P500	mint	"
19. McElroy 600	near mint	"
20. Wilson RCAF Str. Key Blue	vg	"
21. Martin Jrs. (hve 2)	vvg	" only for equal value
22. Std. Original #50430	vg	"
23. #4 w/Albright decal (no plate but good)		"
24. Deluxe Blue Racer	mint	"
25. #4 Blue base #56014	g	"

Trade keys may be sold under certain circumstances- call if interested. I also have several plexiglas covers for Bencher and Kent paddles for \$10 each. All prices plus \$5 each for priority mail shipping within continental U.S.A. Keys may be returned in 5 days or less for full refund.

Send payment to: Tony Rogozinski N7BG
3030 N. Central Ave. #1201
Phoenix, Az. 85012

Phone: 602-266-6200 work
602-266-6262 fax

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: NBS clock.
Message-ID: <199510171612.JAA08515@ix7.ix.netcom.com>

Sometime back It seems someone was looking for either a Satellite or WWV controlled clock. I think Heath cold a WWV type clock a few years ago but in my digging around in the archives at home and in the storage shed I came across an "NBS Technical Note 681". It refers or contains the information to build and the software routine for operation along with layouts for a pc board. Anyone interested in this? Its dated June of 76. Maybe we could swap another book or something.

Larry W00GH@ix.netcom.cmo

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Scott_Johnson-AZAX60@email.sps.mot.com
Subject: Need ARC-1 Control Box
Message-ID: <"Macintosh */PRMD=MOT/ADMD=MOT/C=US/"@MHS>

	Subject:	Time: 8:44 AM
OFFICE MEMO	Need ARC-1 Control Box	Date: 10/16/95

Looking for the pilot's control box for my ARC-1, willing to buy or trade for test equipment of all types. I need this so I can go mobile on 2M AM!

73, Scott KC7BGE

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: HAMRLUND@aol.com
Subject: need military tag for RA-74 (L-4)
Message-ID: <951016155542_46002292@emout04.mail.aol.com>

would like to find this metal military tag to put back on my Hammarlund military power supply. the power supply is marked RA-74 & below it L-4. if you have one laying around, or happen to find one, please e-mail me with the info and a price.

thanks
robert

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: need tool recommendation

I think Xcelite may make such a tool. I remember having one for the nuts used on Dialco lamp sockets (Maybe they make one too).
Bob, K9EUI

I've wondered about how to tighten the ones with the round, knurled nut on the front. In some cases you have to remove them just to remove a front panel, so you really dont want to have to remove the wiring to the switch itself, in order to loosen!

/john

wb5oau/4

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Walt Novinger <waltn@hooked.net>
Subject: Re: need tool recommendation
Message-ID: <199510170219.TAA12137@mom.hooked.net>

At 07:36 PM 10/15/95 -0500, you wrote:

>Can anyone recommend a tool for removing the round, serrated nuts
>that sometimes are used with switches and jacks instead of hex
>nuts?

Excellite and others make these in a variety of sizes. Check a local electronics store or Allied Electronics. These wrenches (look like nutdrivers) have an internally serrated barrel that engages the nuts.

Walt

=====
Walt Novinger
Real Radios Keep You Warm at Night!
Collector of vacuum tube communications receivers and test equipment
Pacifica, CA waltn@hooked.net wnovinger@shl.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: johnmb <johnmb@nando.net>
Subject: Re: need tool recommendation (fwd)
Message-ID: <Pine.SUN.3.91.951016123044.16359C-100000@parsifal.nando.net>

----- Forwarded message -----
From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: GDentHouTX@aol.com
Subject: Re: NEW Tube Manufacture
Message-ID: <951016120729_125068624@mail06.mail.aol.com>

Hey ya'll:

FWIW, the current (Oct.) issue of MIX magazine has an article on "Restoring & Refurbishing Vintage Audio Equipment." In it is an interesting reference to a company called B.L.U.E. (Baltic Latvian Universal Electronics) which specializes in modifying & upgrading vintage tube studio microphones (Neumann, AKG, etc.). Their Latvian factory is currently fabricating parts for these units and "...We're also developing our own capsules and replacement tubes." Wonder what the Latvian unit of currency is and how its exchange rate compares to the yen?

BA question: Does anyone have any experience with modifying the 51J-3/R-388 series for QSK in conjunction with the KWM-2A? I am coming to realize the limitations of the KWM- in terms of its CW performance and would like to take advantage of the narrower filters in the 51J-3 if it can be modified for break-in keying. Anyone already traveled this road?
Thanks & 73, Gerald D'Entremont
GDentHouTX@aol.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Nixie Sockets
Message-ID: <Pine.ULT.3.91.951016181340.28980A-1000000@dua150.kpt.emn.com>

Lee Gleason asked about unusual sockets for Nixie tubes.

If all else fails, you might try what I have done in the past...

I used my printed circuit CAD program to lay out the hole patterns as defined by the JEDEC standards (which may not apply to Nixies). I then used miniature IC socket pins in the holes to make the custom sockets. The Mill-Max Preci-Dip pins are now stocked by Digi-Key. About \$1 per 10 pins is unfortunately about as cheap as these get.

If anyone is interested, I have a copy of the full JEDEC outlines for all standard tube sizes.

73, Barry WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: "Integration Area" <integrat@usr.com>
Subject: Re: Oddball British Tube ID
Message-ID: <9509168138.AA813875851@robogate.usr.com>

I do not know what a British VT-25 is. If it was used on early radars, it might be in a book called *Metres to Microwaves* (I forgot the author - a great reference but very dry reading). Other than that, I do not know of any decent reference of British military tubes (valves).

The British VT-25 is not a Signal Corps VT-25. I think both systems started at the same time. The Signal Corps lumped most tubes into the Vacuum Tube category, but the British expanded their nomenclature to reveal what the tube did - VT = Valve, Transmitting, VR = Valve, Receiving, VU = Valve, Rectifier (?), etc.

All this must have been a great source of confusion. For example, if (thru Lend-Lease, or something like that) one ordered a VT-90 without saying

which system to use, one could end up with a Signal Corps 6H6, or a much different British 10E/9 (also known as Western Electric 710A or RCA 8011) micropup triode for early radars.

During the NATO years, both VT systems were dropped. Many U.S. military tubes from the 1950s and 60s have the equivalent British CV (Common Valve) number printed on the sides of the boxes.

If the tube is from the war years, it should have a reference number (like 10E/xxx or 110E/xxx). Does the Mazda VT-25 have one of these?

William Donzelli
integrat@usr.com

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: jproc@worldlinx.com
Subject: Re: Oddball British Tube ID
Message-ID: <Chameleon.4.01.2.951016152952.jproc@>

William,

>If the tube is from the war years, it should have a reference number (like
>10E/xxx or 110E/xxx). Does the Mazda VT-25 have one of these?

>

Thank you for explaining the differences between the British and American VT
I was not aware of this. The Raytheon tube that I have in my possession is
also marked 10A/7312 under the VT25 with the Air Ministry logo on the
opposite side of the tube. It would appear that Tom Adams and I could both
have the same tube. Can you positively identify it given the new information?

Regards,

Jerry Proc, VE3FAB
Radio Restoration Volunteer
HMCS Haida
E-mail: jproc@worldlinx.com
Toronto, Ontario

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995

From: mirage!pamars@uhura.neoucom.EDU (P.A.Marshall)
Subject: Re: Oddball British Tube ID
Message-ID: <9510162348.AA08928@mirage>

On the Odd Ball VT-25, here is waht I was able to dig up on the subject.

A Royal Air Force VT-25 crosses to a DET25, the DET25 is a Xmitter
Triode, no base (?).

A British Post Office VT-25 crosses to a CV-1637 which crosses to a
LS5, Triode, base B4J (European).

A U.S. Service VT-25 (as has been mentioned) crosses to a type 10.

There does not seem to have been a commercial VT-25 (I was only able to
find one commerical VT series tube, a VT-9B)

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org

As nightfall does not come at once, neither does oppression. In both
instances, there is a twilight when everything remains seemingly unchanged.
And it is in such twilight that we all must be most aware of change in the
air--however slight--lest we become unwitting victims of the darkness.

Justice William O. Douglas

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: HAMRLUND@aol.com
Subject: old headsets sell or trade
Message-ID: <951016195109_46220198@emout06.mail.aol.com>

i have 2 pair of old head phones.

1 has big rubber cups & wires accross to the other side.

it says:

manufactured and sold by

baldwin radio co.

salt lake ciy, utah

under nathaniel balswin's pat. may 10, 1910 / sept. 14, 1915

type 'c'

the other has stiched leather accross the head.

it says:

mx-41/ar

recieveranb-h-1

made in usa

by utah - chicago

also marked, hb-7

make reasonable offer

robert

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: jproc@worldlinx.com
Subject: Patent Numbers
Message-ID: <Chameleon.4.01.2.951017162908.jproc@>

Dear BA's,

One of the recent posts regarding patent numbers has spawned the following question - what do the patent numbers really mean? Here's a case in point.

Aboard the ship, there are a number of Marconi CSR5 receivers. From the nameplates, the receivers were manufactured in 1944. A range of patent years starting in 1927 and ranging into the 1930's also appears on the nameplate. This receiver uses single ended metal tubes, and specifically a 9002 seven pin miniature triode. I don't believe that these tube types were around in 1927 and they made their appearance until much later. So what exactly did the Marconi company patent?

I have seen a series of patent years appearing on the nameplates of other pieces of equipment as well.

Regards,

Jerry Proc, VE3FAB
Radio Restoration Volunteer
HMCS Haida
E-mail: jproc@worldlinx.com
Toronto, Ontario

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: MODSTEPH@ACS.EKU.EDU
Subject: Re: RE: New Tube manufacturer
Message-ID: <01HWIIDCRCRS0006SY@ACS.EKU.EDU>

And imagine my surprise when my nephew showed me the latest audio magazine advertising the "tube sound" amplifiers - and listing one considered the best at \$6,995 - yep, almost seven thou... and the finals in it are 807's.....

Which should mean that my Harvey-Wells Bandmaster is worth in the neighborhood of \$1,750..... *faint*

73, A1 N5AIT

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: mjsilva@ix.netcom.com (michael silva)
Subject: Re: regen AF choke plate loads
Message-ID: <199510170859.BAA28555@ix7.ix.netcom.com>

I don't think 300-500 H is a misprint. I've seen such values in non-ARRL schematics as well. The current ratings were usually between 5 and 15 mA, so they weren't all that large. My first receiver was a regen with a mere 35 H choke. I think these chokes were originally used in place of resistors to get more plate voltage to the detector in battery sets.

73,
Mike, KK6GM

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: Repro SX-25 S Meter face
Message-ID: <813951675.0787242@AppleLink.Apple.COM>

Greetings all -

I have succeeded in drafting a very close approximation of the dial face for the S Meter on the Hallicrafters SX-25 which I'm currently working on. It was done in Claris CAD (Yes - MACINTOSH!) and looks pretty darn good. I've printed it out on transparency media and regular paper. If anyone is interested in a copy just drop me a line. Now that I've got the hang of it I think I could probably reproduce other meter and dial faces. I may even try my hand at doing a tuning dial.

Now the remaining problem is to find an appropriate paper stock that will come close to the original color, *whatever that was*. Mine looks like toasted parchment now, but I'm sure it didn't start out that way. Could anyone help with a Pantone color spec?

-df

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: Return of Heath 303/401
Message-ID: <m0t5DKW-000TsYC@spider.lloyd.com>

At 08:50 PM 10/13/95 -0500, Mark60195@aol.com wrote:

>Also a question regarding finials. Any substantial
>differences? How are the Chinese 6146's? Thanks much!
>

I had a set of the Chinese 6146s....once. Greg Anders of this list warned me that when I decided to put them in a rig that I ought to also invite all my friends and neighbors over so everyone could enjoy the show they'd put on. I ignored his advice and put them in a rig anyway.

They put on one helluva show.

At about an hour of filament time into their useful(?) life, one of the 6146s lit up like a giant 0A2 and then the whole radio went dead.

Fortunately, the only collateral damage was to the silicon rectifiers in the PS. Replacing them and putting in some 'Murriken made 6146s fixed the set.

My advice? Listen to Greg's advice.

73,

Jim - km6nk

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: KS0F@aol.com
Subject: Re: Return of Heath 303/401
Message-ID: <951017145041_46874872@emout04.mail.aol.com>

I (once) had a situation like this one with the Chinese 6146's in a Kwood 820. It lasted a couple days if I remember right. Cathode resistors went as well as some regulator board stuff. Was a mess. I won't use them again. If the rig has to set, it's better than blowing it up!

73 de KS0F

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: "Tim Shoppa" <shoppa@krl.caltech.edu>
Subject: Re: rtty questions???

Message-ID: <9510161904.AA18489@altair.krl.caltech.edu>

> At a hamfest some months back, I purchased for the princely sum of
> \$1 a box which I assumed at the time to be a homebrew keyer/demodulator
> that I could use for parts. Upon further examination today, I find
> the following:

>

> 1. A front panel decal "ST-5A", a 0-1 milliamp meter, various
> switches including one to switch between 170 and 850
> frequency shifts.

>

> 2. The interior contains three pc boards, one obviously a
> power supply, another one a ?? (possibly the freq. shift
> keyer?) and a slightly larger one with two torroids on
> it which I assume to be the demodulator. This board is
> also labeled HAL ST-5.

>

> 3. The power transformer is a Thordarsen (sp?) labeled
> HAL ST-6 in addition to the Thordarsen name and number.

>

> Can anyone tell me exactly what it is I have?

I'm not exactly certain, but I think your guesses are correct.

> Can anyone suggest a
> source for documentation?

You can probably look through issues of CQ or QST from the mid-70's
and get many of the specs from HAL ads. They were a pretty prominent
manufacturer of RTTY equipment.

> Is this device suitable for use with a
> "real" teletype machine?

Yes, it will probably work with your teletype. You may want
to check to see if it's set up for 20mA or 60mA current loop and
whether it is "active" (i.e. supplying current) or "passive"
(i.e. not supplying current) on each loop before hooking it up.

> BTW, I don't mean to demean or belittle
> in any way those who choose to use PC-based alternatives. It is just
> that I have earned my living on a daily basis for almost 30 years
> working with computers large and small and I really prefer something
> else for a hobby.

Hey, some of still use Teletype's (model 33's, in my case) on our
computers (S-100 based 8080A machines, like IMSAIs or Altairs.).

Tim. (shoppa@altair.krl.caltech.edu)

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: SX-111 parts needed - HELP!
Message-ID: <9510162015.AA00531@bock.ih.att.com>

I sympathize in advance, although I hope not to have to. This should be an interesting week in the Shipping Sweepstakes. Last week a ham in Oregon put a Racal rx in teh UPS to me, which should arrive any day now (hopo[efully during XYL's buziness trip :-). This weekend I sent off an NC101X to California.

I'll be, er, interested, to see how these turn out. One thing about old Nationals, there's no glass in front but the S-meter.

FWIW, I pulled all the tubes and the xtal filter out of the National and boxed them up separately in bubble wrap, after having visions of what a metal tube adrift inside could do to the tuning cap, etc. I'd recommend this for any tubes that don't have twist-lock or other secure shields. Bad enuf to replace the tube, but the collateral damage can be worse.

Any unsheilded tubes (like most in a KWM2, for ex) should be pulled and mailed separately, or at least packed in the box separately, and tagged with little post-iy (post-it(tm)) notes on identical tube types to say which one goes where, to preserve the alignment.

THis may have been covered in the big discussion of shipping BAs a ocuple months ago, but it looks like somebody should've pulled the tubes.

BTW, tubes can wiggle out just from repeated small vibrations (like in a cross-country truck or RR car). Your panel crack douns like a genuine drop test (sounds like), unless a loose-cannon tube did the dirty work. 73 es pray for my rigs, mike k w9nrd

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Lrware@aol.com
Subject: TCS-9 remote has found a new home
Message-ID: <951016231154_125635112@emout05.mail.aol.com>

The Collins COL-23270 remote for a TCS-9 has found a new home with the rest of a TCS-9 system. It won't be lonely anymore.

Thanks for asking, I got more requests than I expected.
Must be a lot of crazy Collins collectors on the boatanchors list...
I'm a National man myself: More refined, you know... :-)
Lot of interest in something an Aunt of mine had holding closed a garage door
out on the farm in West Virginia. Ah well, the closed door protected my
almost
perfect National NC-120 Uncle brought home from the service with him many
years ago.

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: "Marcotte, T F (T)" <TFMA@chevron.com>
Subject: TS497B Sig Gen, Comments??
Message-ID: <CPLAN030.TFMA.311335120095289FCPLAN030@ION.CHEVRON.COM>

From: Marcotte, T F (Tom)
Subject: TS497B Sig Gen, Comments??
From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: shaun.merrigan@freddy.com (SHAUN MERRIGAN)
Subject: Tube Help
Message-ID: <8B33258.00040252EE.uuout@freddy.com>

Can anyone give me a description and brief specs on the 6689/E83F tube.
Nothing in my RCA manual on this one.

Thankish.

Shaun

Shaun P. Merrigan
shaun.merrigan@freddy.com
merrigan@nyquist.ee.ualberta.ca
3rd year EE Univeristy of Alberta

~ CMPQwk 1.42 856 ~We are the most intelligent planet on earth. - D. Quayle

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: thaake@bsm2ee1.attmail.com (thaake)
Subject: Tubes
Message-ID: <PMX-TERM-2.02-bsm2ee1-thaake-243>

Anchorites,

Can anyone recommend a source for 816 Jrs. ??

The last time I bought from Fair they said I got there last two. I guess I need to call them anyway but I thought I'd ask you all first.

Tim WA0TSY
thaake@bsm2ee1.attmail.com

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: Scott_Johnson-AZAX60@email.sps.mot.com
Subject: RE>Tubes
Message-ID: <"Macintosh */PRMD=MOT/ADMD=MOT/C=US/"@MHS>

RE>Tubes

10/17/95

AES @ (602) 820-5411
816' s are 24.00
866jr.'s are 10.70
816's look like little 866A's, 866 jr's don't have a plate cap.

Can anyone recommend a source for 816 Jrs. ??

From boatanchors@theporch.com Tue Oct 17 05:16:00 1995
From: Randy.Cook@Corp.Sun.COM (Randy Cook)
Subject: TV7/A manual & info needed
Message-ID: <9510161720.AA03402@mmmkt.Corp.Sun.COM>

Just picked one up this weekend, and am looking for a service/adjustment manual.
Anyone have a copy? Will cover costs +

Also, does anyone have settings for 6DJ8 tube? not in my "A" version tube setting manual.

Thanks

From boatanchors@theporch.com Tue Oct 17 17:30:33 1995
From: wes@iphase.com (Wes Atchison)
Subject: Weston Meter Info?
Message-ID: <9510171455.AA27390@curly>

A friend of mine here at work and I were discussing the history of a Weston AC Voltmeter he has. The patent dates on the label show their first patent was in 1895. We are curious if anyone could help us find out how old the instrument really is. I have enclosed the information on the label. The instrument is in excellent shape.

Can anyone help with sources of direct information? If so email or call Jim or I

Weston Electrical Instrument Corp.
Newark, N.J. U.S.A.
Model 155
Serial No 64916

Thanks,
Wes and Jim

Jim Alexanderson	
jima@iphase.com	THESE PHONE NUMBERS WILL CHANGE
(214) 919-9213 voice	TO THE ONES LISTED BELOW ON
(214) 919-9200 fax	NOVEMBER 13, 1995

Jim Alexanderson	Interphase Corporation
jima@iphase.com	13800 Senlac
(214) 654-5213 voice	Dallas, Texas 75234
(214) 654-5500 fax	(214) 654-5000 main voice

Wes Atchison Interphase Corporation
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